# A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C1201/70

According to International Patent Classification (IP.C) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of	the relevant passages	Relevant to claim No.	
X	ZHOU D-J ET AL.: "One-step de assay for detection SARS associon coronavirus" VIROLOGICA SINICA, vol. 18, no. 3, June 2003 (20)	ciated	1-4,16, 17,20	
Y	232-236, XP008033949 abstract; figures 2,3; tables	1,2	6,8, 10-12, 14,18, 19,21	
		-/		
<b>▼</b> Furt	her documents are listed in the continuation of box C.	Y Patent family members	are listed in annex.	
"A" docume	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	or priority date and not in o	ter the international filing date conflict with the application but nciple or theory underlying the	

- \*E\* earlier document but published on or after the international filling date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

Fax: (+31-70) 340-3016

Date of mailing of the International search report

0 1 DEC 2004

#### 16 November 2004

Name and mailing address of the ISA

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Authorized officer

Knehr, M

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
	The state of the s	THE PARTY OF CHAIRMAN	
(	JIE Y ET AL.: "Clinical detection of polymerase gene of SARS-associated coronavirus"	1-4, 16, 17	
	ACADEMIC JOURNAL OF THE FIRST MEDICAL COLLEGE OF PLA, vol. 23, no. 5, May 2003 (2003-05), pages		
	424-427, XP008033954 abstract		
	page 425, column 1, paragraph 3; figure 1		
X	DROSTEN C ET AL: "IDENTIFICATION OF A NOVEL CORONAVIRUS IN PATIENTS WITH SEVERE ACUTE RESPIRATORY SYNDROME"  NEW ENGLAND JOURNAL OF MEDICINE, MASSACHUSETTS MEDICAL SOCIETY, BOSTON, MA,	14	
	US, vol. 348, no. 20, 15 May 2003 (2003-05-15), pages 1967-1976, XP001182527		
	ISSN: 1533-4406		
Y	abstract	18	
	page 1969, column 1, last paragraph - column 2, paragraph 2		
	page 1971, column 2, last paragraph - page 1972, column 1, paragraph 2; figure 2; tables 1,2		
Y	SHI R ET AL: "DESIGN AND APPLICATION OF 60MER OLIGONUCLEOTIDE MICROARRAY IN SARS CORONAVIRUS DETECTION"	1,2,8	
	CHINESE SCIENCE BULLETIN, SCIENCE PRES, BEIJING, CN, vol. 48, no. 12, June 2003 (2003-06),		
	pages 1165-1169, XP008033964  * see especially oligo18 within Tab.1 * abstract; table 1		
Y	WO 02/066501 A (HYBRIGENICS; LABIGNE AGNES (FR); DE REUSE HILDE (FR); LEGRAIN PIERRE) 29 August 2002 (2002-08-29) * see especially page 513 * abstract; example 9	1,2,10	
Y	WO 01/47944 A (CURAGEN CORP; LEACH MARTIN (US); SHIMKETS RICHARD A (US)) 5 July 2001 (2001-07-05) * see especially page 2110 *	1,2,8	
	abstract; claim 1		
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PCT	/EP20	04/0	02553
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	DATABASE EMBL 'Online! EUROPEAN MOLECULAR BIOLOGY LABORATORY; 21 April 2001 (2001-04-21), KIM H ET AL.: "Cloning and characterization of novel genes related with the development of rat brain" XP002305848 retrieved from EMBL Database accession no. AT005537 abstract	1,2,6
	DEIMAN B ET AL: "CHARACTERISTICS AND APPLICATIONS OF NUCLEIC ACID SEQUENCE-BASED AMPLIFICATION (NASBA)" MOLECULAR BIOTECHNOLOGY, TOTOWA, NJ, US, vol. 20, no. 2, February 2002 (2002-02), pages 163-179, XP009007141 ISSN: 1073-6085 the whole document	11,12, 14,19,21
	KSIAZEK T G ET AL: "A novel coronavirus associated with severe acute respiratory syndrome" NEW ENGLAND JOURNAL OF MEDICINE, MASSACHUSETTS MEDICAL SOCIETY, BOSTON, MA, US, vol. 348, no. 20, 15 May 2003 (2003-05-15), pages 1953-1966, XP002276003 ISSN: 1533-4406 cited in the application the whole document	
	CN 1 458 281 A (HUANQIU ZHONGJIA BIOLOGICAL SCIENCE & TECHNOLOGY) 26 November 2003 (2003-11-26) * see especially SEQ ID NO:45, nucleotides 1-20 * abstract; claim 1	

## INTERNATIONAL SEARCH REPORT

Box II Observa	tions where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International S	earch Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims No because the	es.: hey relate to subject matter not required to be searched by this Authority, namely:
an extent t	as.:  13 hey relate to parts of the International Application that do not comply with the prescribed requirements to such that no meaningful International Search can be carried out, specifically:  URTHER INFORMATION sheet PCT/ISA/210
3. Claims No because t	os.: hey are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observa	tions where unity of invention is lacking (Continuation of item 3 of first sheet)
This International S	Searching Authority found multiple inventions in this international application, as follows:
see ad	iditional sheet
1. X As all requisearchable	uired additional search fees were timely paid by the applicant, this International Search Report covers all e claims.
	rchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment ditional fee.
	ome of the required additional search fees were timely paid by the applicant, this International Search Report ly those claims for which fees were paid, specifically claims Nos.:
	ed additional search fees were timely paid by the applicant. Consequently, this International Search Report is to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protes	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 13

Present claim 13 relates to a pair of oligonucleotides defined by reference to the following parameters:

'...each oligonucleotide being 15-30 nucleotides in length and comprising at least a fragment of 18 nucleotides, and preferably being 18-26 nucleotides in length, and comprising at least a fragment of 20 nucleotides.'

It is without saying that it is impossible to specifiy an oligonucleotide when its length parameter does not fit (at all) within a given range of oligonucleotide lengths. Therefore, it is contradictory that an oligonucleotide of e.g. 15 nucleotides should comprise at least a length of 18 nucleotides. The same is true for an oligonucleotide of e.g. 18 nucleotides comprising at least a length of 20 nucleotides.

It is not clear in the light of the description what should be the minimal lengths of the oligonucleotides as specified in claim 13. Therefore, the use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. The lack of clarity is such as to render a meaningful search impossible.

Consequently, no search has been carried out for claim 13.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

Information on patent tamily	members

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02066501	A	-29-08-2002	WO	02066501 A2	29-08-2002
WO 0147944	A	05-07-2001	AU	2914 <del>5</del> 01 A	09-07-2001
			CA	2395926 A1	05-07-2001
			EP	1244688 A1	02-10-2002
			WO	0147944 A2	05-07-2001
CN 1458281	 A	26-11-2003	NONE		